

## DECLARATION FOR PATENT APPLICATION

As a below named inventor of an invention titled METHOD AND APPARATUS FOR A HOME NETWORK AUTO-TREE BUILDER, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled METHOD AND APPARATUS FOR A HOME NETWORK AUTO-TREE BUILDER the specification of which (check one):

is attached hereto

\_\_\_\_\_ was filed on \_\_\_\_\_ Application Serial No. \_\_\_\_\_  
and was amended on (or amended through) \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Sec. 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Sec. 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)	Priority Claimed
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Number	Country	Day/Month/Year Filed	Yes	<input checked="" type="checkbox"/> No
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I hereby claim the benefit under Title 35, United States Code, Sec. 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Sec. 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Sec. 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

60/050,762	June 25, 1997	Pending
Appln. Serial No.	Filing Date	Status (patented, pending, abandoned)

60/059,499	September 22, 1997	Pending
Appln. Serial No.	Filing Date	Status (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I/(We) hereby appoint the following agent(s) and/or attorney(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Jeffrey P. Aiello, Reg. No. 39,086; Israel Gopstein, Reg. No. 27,333; Benjamin J. Hauptman, Reg. No. 29,310; Kenneth M. Berner, Reg. No. 37,093; and Michael G. Gilman, Reg. No. 19,114. Direct all telephone calls to Jeffrey P. Aiello at telephone No. (408) 544-5452.

Address all correspondence to:

Jeffrey P. Aiello  
Samsung Information Systems America  
99 West Tasman Drive  
San Jose, CA 95134  
Tel: 408-544-5452  
Fax: 408-544-5620

SIGN  
HERE

Full name of sole or first inventor: Richard James Humpelman

Inventor's signature: *Richard James Humpelman*

Date: 6/11/, 1998

Residence: 343 Lower Vintners Circle  
Fremont, CA 94539

Post Office Address: Same

Citizenship: Great Britain

Full name of second inventor: G. Kevin Harms

Inventor's signature: *G. Kevin Harms*

Date: 6-11, 1998

Residence: 5790 Barnswell Way  
San Jose, CA 95138

Post Office Address: Same

Citizenship: United States Citizen

Full name of third inventor: Michael S. Deacon

Inventor's signature: 

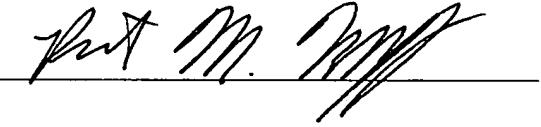
Date: 6/11/, 1998

Residence: 731 Colleen Drive  
San Jose, CA 95123

Post Office Address: Same

Citizenship: United States Citizen

Full name of fourth inventor: Robert M. Wolff

Inventor's signature: 

Date: 6/12, 1998

Residence: 40542 Blacow Road  
Fremont, CA 94538

Post Office Address: Same

Citizenship: United States Citizen



# UNITED STATES DEPARTMENT OF COMMERCE

## Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER

OF PATENTS AND TRADE

OCTOBER 28, 1998

PTAS

SAMSUNG INFORMATION SYSTEMS ET AL. RECEIVED  
JEFFREY P. AIELLO  
99 WEST TASMAN DRIVE  
SAN JOSE, CA 95134 NOV 11 199



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NOV 1 1998 *AS*

SAMSUNG PATENTS DEPT

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/29/1998

REEL/FRAME: 9363/0766  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR: /  
HUMPLEMAN, RICHARD JAMES

DOC DATE: 07/07/1998

ASSIGNOR:  
HARMS, G. KEVIN

DOC DATE: 07/07/1998

ASSIGNOR:  
DEACON, MICHAEL S.

DOC. DATE: 07/07/1998

ASSIGNOR:  
WOLFFE, ROBERT M.

DOC. DATE: 06/24/1998

ASSIGNEE:  
SAMSUNG ELECTRONICS CO., LTD.  
416, MAETAN-DONG, PALDAL-GU  
SUWON-CITY, KYUNGKI-DO  
REPUBLIC  
OF KOREA

9363/0766 PAGE 2

SERIAL NUMBER: 09104297  
PATENT NUMBER:

FILING DATE: 06/24/1998  
ISSUE DATE:

SHARMALLA SIMPSON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

07-1998

VER SHEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

NLY

AUG

MRO 7-29-98

100789838

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Richard James Humpleman, G. Kevin Harms,  
Michael S. Deacon, Robert M. WolffAdditional name(s) of conveying party(ies) attached?  Yes No

## 3. Nature of conveyance:

 Assignment       Merger  
 Security Agreement       Change of Name  
 Other

Execution Date:

4. Application number(s) or patent number(s): 09/104,297

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Jeffrey P. Aiello**

Internal Address:

**Samsung Information Systems America, Inc.**Street Address: **99 West Tasman Drive**City: **San Jose**      State: **CA**      ZIP: **95134**6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) ..... \$40.00 Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

08/06/1998 TT0111 00000054 09104297

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40.00 (0P)

## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Jeffrey P. Aiello, Reg. No. 39,086

Name of Person Signing, Reg. No.

Signature

Date

July 29, 1998

Total number of pages including cover sheet, attachments &amp; document: 4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
ASSIGNMENT OF PATENT

WHEREAS, RICHARD JAMES HUMPLEMAN, G. KEVIN HARMS, MICHAEL S. DEACON, AND ROBERT M. WOLFF, each of which are United States citizens have invented certain new and useful improvements in METHOD AND APPARATUS FOR A HOME NETWORK AUTO-TREE BUILDER for which an application for a United States Patent is filed herewith and;

WHEREAS, Samsung Electronics Co., Ltd., a corporation of the Country of Korea, with its principle business address at 416, Maetan-Dong, Paldal-Gu, Suwon City, Kyungki-Do, Republic of Korea, is desirous of acquiring the entire right, title, and interest in and to our said invention and in and to the United States Letters Patent thereon, when granted, and in and to any and all improvements thereon;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN that for good and valuable consideration, the receipt of which thereof is hereby acknowledged, we, the said RICHARD JAMES HUMPLEMAN, G. KEVIN HARMS, MICHAEL S. DEACON, AND ROBERT M. WOLFF, by these presents do sell, assign, and transfer unto said Samsung Electronics Co., Ltd., the entire right, title, and interest in and to any and all Letters Patent for the whole of the United States and each and every foreign country to be obtained therefor on said application or any continuation, division, renewal, substitute, or reissue thereof, and in and to any and all improvements thereon.

THE SAME TO BE HELD and enjoyed by Samsung Electronics Co., Ltd., its successors and assigns, for its own use, to the full end of the term for which the said Letters Patent may or shall be granted, as fully and entirely as the same might or could have been enjoyed by us has this Assignment and sale not been made.

AND WE HEREBY AUTHORIZE and request the Commissioner of Patents and Trademarks to issue said United States Letters Patent on our said invention, when granted, unto our said Assignee, Samsung Electronics Co., Ltd., a corporation, in accordance with this assignment.

Executed this 24<sup>th</sup> day of June, 1998, at Samsung Information Systems America, Inc., 99 West Tasman Drive, San Jose CA 95134

\*\*\*\*

Date

7/7/98

Richard James Humpleman

Richard James Humpleman

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_) SS:

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me personally appeared Richard James Humpleman, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Notary Public

My commission expires \_\_\_\_\_

Date

7-7-98

G. Kevin Harms

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_) SS:

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me personally appeared G. Kevin Harms, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Notary Public

My commission expires \_\_\_\_\_

7/7/98

Date

Michael S. Deacon

Michael S. Deacon

STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_  
) SS:

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me personally appeared Michael S. Deacon, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Notary Public

My commission expires \_\_\_\_\_

8/24/98

Date

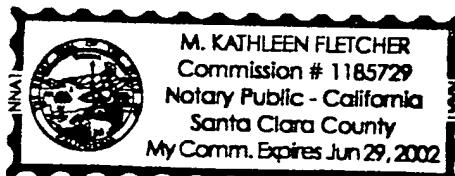
Robert M. Wolff

Robert M. Wolff

STATE OF California  
COUNTY OF Santa Clara  
) SS:

On this 24<sup>th</sup> day of June, 1998, before me personally appeared Robert M. Wolff, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L



M. Kathleen Fletcher

Notary Public

My commission expires 6/29/02

## FILING RECEIPT



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
09/104,297	06/24/98	2772	\$790.00	2810-044	16	8	1

JEFFREY P AIELLO  
SAMSUNG INFORMATION SYSTEMS AMERICA  
99 WEST TASMAN DRIVE  
SAN JOSE CA 95134

RECEIVED  
7-28-98

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Application Processing Division's Customer Correction Branch within 10 days of receipt. Please provide a copy of the Filing Receipt with the changes noted thereon.

## Applicant(s)

RICHARD JAMES HUMPLEMAN, FREMONT, CA; G. KEVIN HARMS, SAN JOSE, CA; MICHAEL S. DEACON, SAN JOSE, CA; ROBERT M. WOLFF, FREMONT, CA.

## CONTINUING DATA AS CLAIMED BY APPLICANT-

PROVISIONAL APPLICATION NO. 60/050,762 06/25/97  
PROVISIONAL APPLICATION NO. 60/059,499 09/22/97

FOREIGN FILING LICENSE GRANTED 07/15/98

TITLE

METHOD AND APPARATUS FOR A HOME NETWORK AUTO-TREE BUILDER

PRELIMINARY CLASS: 345

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Richard Humpleman ) Examiner: W. Bashore  
 )  
 For: METHOD AND APPARATUS ) Group Art Unit: 2776  
 FOR A HOME NETWORK AUTO- )  
 TREE BUILDER )  
 )  
 Application No.: Not yet assigned )  
 (Divisional of 09/104,297 )  
 )  
 Filed: November 3, 2000 )  
 )

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REVOCATION AND SUBSTITUTION OF POWER OF ATTORNEY

Assistant Commissioner  
 for Patents  
 Washington, D.C. 20231

Dear Sir:

SAMSUNG ELECTRONICS CO., LTD., a Korean corporation, as assignee of the entire right, title and interest in the above-referenced United States divisional patent application (Divisional of Parent Application No. 09/104,297, assignment recorded July 29, 1998, at Reel/Frame 9363/0766), hereby revokes all previous powers of attorney and appoints the following to prosecute the subject application and to transact all business in the United States Patent and Trademark Office connected therewith:

Kenneth L. Sherman  
 Reg. No. 33,783  
 Sherman & Sherman  
 2029 Century Park East  
 Seventeenth Floor  
 Los Angeles, California 90067

Kindly send all further correspondence to Kenneth L. Sherman.

Dated: 11 September 2001

*Kuen-Pyo Bang*  
 Name: *Kuen-Pyo Bang*  
 Title: *Senior Manager*

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service first class mail in an envelope addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231 on August 2, 2001. 4/17/01

*EVELYN M. NIVIAH*  
 (Type or print name of person mailing paper)  
 G:\KLS\SA\111SAM1\REVOC.wpd

*GAIL M. NIVIAH*  
 (Signature of person mailing paper)